

JOURNAL Unpublished
2 (bases 1 to 947)
AUTHORS Cheung, A.L. and Manna, A.C.
TITLE Direct Submission
SUBMITTED (22-NOV-1999) Microbiology, Dartmouth Medical School,
College St., Vail, 206, Hanover, NH 03755, USA
FEATURES Location/Qualifiers
1. .947
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BASE COUNT . 374 a 112 c 145 g 316 t

ORIGIN

Query Match 100.0%; Score 947; DB 1; Length 947;
Best Local Similarity 100.0%; Pred. No. 7.7e-126;
Matches 947; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Db 1 GTTTCARATCGTGGAGGTGATGAAAAGTTATGGCATTTTGAAATTTAAAAA 60
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RESULT 2
AP004829/c

LOCUS AP004829

DEFINITION 304050 bp DNA linear BCR 20-DEC-2002

STRAIN MW2, subsp. aureus MW2, complete genome, section 8/10.

VERSION AP004829_1

ACCESION AP004829_1

KEYWORDS

ORGANISM Staphylococcus aureus subsp. aureus MW2

BACTERIA Firmicutes; Bacillales; Staphylococcaceae

REFERENCE Baba, T., Takeuchi, F., Kuroda, M., Yuzawa, H., Aoki, K., Oguchi, A., Nagai, Y., Iwama, N., Asano, K., Naimi, T., Kuroda, H., Cui, L., Yamamoto, K. and Hiramoto, K.

AUTHORS Baba, T., Takeuchi, F., Kuroda, M., Yuzawa, H., Aoki, K., Oguchi, A., Nagai, Y., Iwama, N., Asano, K., Naimi, T., Kuroda, H., Cui, L., Yamamoto, K. and Hiramoto, K.

TITLE Genome and virulence determinants of high virulence community acquired MRSA

JOURNAL Lancet 359 (9320), 1819-1827 (2002)

PUBMED 12040717

REFERENCE 2 (bases 1 to 304050)

AUTHORS Director-General, Biotechnology Center, Aoki, K., Oguchi, A., Nagai, Y., Asano, K., Iwama, N., Baba, T., Kuroda, M., Hiramoto, K., and Kikuchi, H.

DIRECT SUBMISSION Submitted (06-MAR-2002) Director-General, Biotechnology Center, 2Chome 49-10 Nishihara, Shibuya-ku, Tokyo 151-0066, Japan

URL http://www.bio.nite.go.jp/, Tel: 03-33481-1933, Fax: 03-3481-0424

FEATURES Location/Qualifiers

source 1. .304050

ORGANISM "Staphylococcus aureus subsp. aureus MW2"

MOL_TYPE "Genomic DNA"

STRAIN MW2

DB_XREF "taxon:196620"

COMPLEMENT "629..1072"

GENE "MW1947"

COMPLEMENT "629..1072"

GENE "MW1947"

NOTE "ORFID:MW1947"

GenCore version 5.1.6
Copyright (c) 1993 - 2003 Compugen Ltd.

OM nucleic - nucleic search, using sw model

Run on: November 17, 2003, 09:13:34 (without alignments)
8089.772 Million cell updates/sec

Title: US-10-043-539A-1

Perfect score: 947

Sequence: 1 gtttccaaatcggtgggg.....gtttccataaactgaaatcgat 947

Scoring table: IDENTITY_NUC

Gaps=10 , Gapext 1.0

Searched: 252756 seqs, 1349719017 residues

Total number of hits satisfying chosen parameters: 5105512

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Maximum Match 0%

Listing first 45 summaries

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

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c 4	90	9.5	8056	ABZ10246
c 5	87.2	9.2	8056	ABZ10100
c 6	82	8.7	6292	AAS4735
c 7	80.2	8.5	8056	ABZ10100
c 8	79.4	8.4	101	AAV75910

Key	FT	misc_feature	Location/Qualifiers
			301..360

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*/note: the sequence listing in the specification.

are included to maintain the nucleotide numbering given in the specification for this DNA sequence

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AC	ABN92693;
XX	24-JUL-2002 (first entry)
DT	
DE	Staphylococcus epidermidis ORF nucleic acid sequence SEQ ID NO:2156.
XX	
RW	Staphylococcus epidermidis; open reading frame; ORF; bacterial infection;
RW	antibacterial; Gene therapy; gene; ds.
XX	
OS	Staphylococcus epidermidis.
XX	
PN	US5380370-B1.
XX	
PD	30-APR-2002.
XX	
PF	13-AUG-1998; 98US-0134001.
XX	
PR	14-AUG-1997; 97US-055779P.
PR	09-NOV-1997; 97US-064944P.
XX	
PA	(GENO-) GENOME THERAPEUTICS CORP.
XX	
PI	Doucette-Stamm LA, Bush D;
XX	
DR	WPI; 2002-381255/41.
DR	P-PSDB; ABP04148.
XX	
PR	Novel isolated nucleic acid encoding a <i>Staphylococcus epidermidis</i> polypeptide, useful for diagnosing and treating bacterial infections.
XX	
PS	SEQ ID 2156; 267pp; English.
XX	
CC	ABN90538 to ABN91374 represent <i>Staphylococcus epidermidis</i> open reading frame (ORF) nucleic acid sequences which encode the amino acid sequences given in ABP5124 to ABP37960. The <i>S. epidermidis</i> sequences have antibiotic activity and can be used in gene therapy. The sequences can also be used in the diagnosis and treatment of bacterial infections, particularly <i>S. epidermidis</i> infections. The sequences can be used to screen for compounds able to interfere with the <i>S. epidermidis</i> life cycle or inhibit <i>S. epidermidis</i> infection.
CC	N.B. The sequence data for this parent did not form part of the printed specification, but was obtained in electronic format directly from the USPTO web site.
XX	
SQ	Sequence 387 BP: 175 A: 39 C: 55 G: 118 T: 0; other:
Query Match	27.6%; Score 261.4; DB 24; Length 387;
Best Local Similarity	81.4%; Pred. No. 4.2e-35;
Matches	311; Conservative 0; Mismatches 71; Indels 1; Gaps 1;
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Qy	465 CGAAAGACAGCTTATTGTTATGTTTACAGATAACACAAAAAGCAATAATTCAAACAGTAT 524
Db	300 TGAAGACAGCTTATTGTTATGTTTACAGATAACACAAAAAGCAATAATTCAAACAGTAT 159